

IAP3 Rec'd PCT/PTO 20 DEC 2005

FORM PTO-1390 (REV 10-2003)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 USC § 371</b>			
		DATE: <u>December 20, 2005</u>	
		ATTORNEY DOCKET NUMBER 58847US004	
		U.S. APPLICATION NO. (if known) see 37 CFR § 1.51 <b>107561596</b>	
INTERNATIONAL APPLICATION NO. PCT/US2004/019696	INTERNATIONAL FILING DATE 18/06/2004	PRIORITY DATE CLAIMED 07/07/2003	
TITLE OF INVENTION <b>TWO COMPONENT MOLDED VALVE STEMS</b>			
APPLICANT(S) FOR DO/EO/US Graham R. PURKINS, Gary D. MAHON, Heinz G. KLEIN			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 USC § 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 USC § 371.</p> <p>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 USC § 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 USC § 371(c)(2)).</p> <p>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 USC § 371(c)(2)).</p> <p>a. <input type="checkbox"/> is attached hereto</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 USC § 154(d)(4)</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 USC § 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired</p> <p>d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 USC § 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 USC § 371 (c)(4)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 USC §§ 371(c)(5)).</p>			
Items 11 to 20 below concern document(s) or information included:			
<p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR §§ 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR § 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR §§ 1.821 – 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 USC § 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 USC § 154(d)(4).</p> <p>20. <input type="checkbox"/> Other items or information:</p>			

**Filing of Papers and Fees by Express Mailing**

Pursuant to 37 CFR § 1.10, this application and the documents and fees listed on this transmittal letter are being deposited on the date indicated below with the United States Postal Service "Express Mail Post Office to Addressee" service addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Date of Deposit  <i>December 20, 2005</i>	Express Mail Label No.  <b>EV 611 429 772 US</b>
-------------------------------------------------	--------------------------------------------------------

Customer Number for  
Correspondence Address:

**32692**

U.S. APPLN. NO. (if known, see 37 CFR § 1.15)		INTERNATIONAL APPN. NO.: PCT/US2004/019696		ATTORNEY'S DOCKET NO.: 58847US004																																																																																			
<p>The following fees are submitted:</p> <table border="1"> <tr> <td>21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....</td> <td>\$300</td> <td>300.00</td> <td></td> </tr> <tr> <td>22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....</td> <td>\$0</td> <td></td> <td></td> </tr> <tr> <td>All other situations.....</td> <td>\$200</td> <td>200.00</td> <td></td> </tr> <tr> <td>23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....</td> <td>\$0</td> <td></td> <td></td> </tr> <tr> <td>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....</td> <td>\$100</td> <td>100.00</td> <td></td> </tr> <tr> <td>International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....</td> <td>\$400</td> <td></td> <td></td> </tr> <tr> <td>All other situations.....</td> <td>\$500</td> <td></td> <td></td> </tr> </table>						21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....	\$300	300.00		22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....	\$0			All other situations.....	\$200	200.00		23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....	\$0			Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....	\$100	100.00		International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....	\$400			All other situations.....	\$500																																																								
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a)).....	\$300	300.00																																																																																					
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....	\$0																																																																																						
All other situations.....	\$200	200.00																																																																																					
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b)) If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4).....	\$0																																																																																						
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority.....	\$100	100.00																																																																																					
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB.....	\$400																																																																																						
All other situations.....	\$500																																																																																						
<b>TOTAL OF 21, 22 and 23=</b>				\$600.00																																																																																			
<p><input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium) The fee is \$250 for each additional 50 sheets of paper or fraction thereof.</p> <table border="1"> <tr> <th>SHEET CALCULATION</th> <th>NUMBER FILED</th> <th>EXTRA</th> <th>RATE</th> <th>Fees</th> </tr> <tr> <td>Size Fee for each add'l 50 sheets of appln. over 100</td> <td>20</td> <td>-100</td> <td>0</td> <td>\$250.00</td> </tr> <tr> <td colspan="4">Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR § 1.492(e)).</td> <td>\$0.00</td> </tr> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th>EXTRA</th> <th>RATE</th> <th>Fees</th> </tr> <tr> <td>Total claims</td> <td>32</td> <td>- 20 =</td> <td>12</td> <td>x \$50.00</td> </tr> <tr> <td>Independent claims</td> <td>3</td> <td>- 3 =</td> <td>0</td> <td>x \$200.00</td> </tr> <tr> <td colspan="4">Add'l fee for one or more multiple dependent claims</td> <td>\$360.00</td> </tr> <tr> <td colspan="4"><b>Total Amount Due</b></td> <td><b>\$1,200.00</b></td> </tr> <tr> <td colspan="4"> <p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR § 1.27. The fees indicated above are reduced by 1/2.</p> </td> <td>\$0.00</td> </tr> <tr> <td colspan="4"><b>SUBTOTAL =</b></td> <td><b>\$1,200.00</b></td> </tr> <tr> <td colspan="4">Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest priority date (37 CFR § 1.492(f)).</td> <td>\$0.00</td> </tr> <tr> <td colspan="4"><b>TOTAL NATIONAL FEE =</b></td> <td><b>\$1,200.00</b></td> </tr> <tr> <td colspan="4">Fee for recording the enclosed assignment (37 CFR § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR §§ 3.28, 3.31). \$40.00 per property</td> <td>\$0.00</td> </tr> <tr> <td colspan="4"><b>TOTAL FEES ENCLOSED =</b></td> <td><b>\$1,200.00</b></td> </tr> <tr> <td colspan="4"></td> <td>Amount to be refunded:</td> <td>\$</td> </tr> <tr> <td colspan="4"></td> <td>Amount to be charged</td> <td>\$1,200.00</td> </tr> </table>						SHEET CALCULATION	NUMBER FILED	EXTRA	RATE	Fees	Size Fee for each add'l 50 sheets of appln. over 100	20	-100	0	\$250.00	Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR § 1.492(e)).				\$0.00	CLAIMS	NUMBER FILED	EXTRA	RATE	Fees	Total claims	32	- 20 =	12	x \$50.00	Independent claims	3	- 3 =	0	x \$200.00	Add'l fee for one or more multiple dependent claims				\$360.00	<b>Total Amount Due</b>				<b>\$1,200.00</b>	<p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR § 1.27. The fees indicated above are reduced by 1/2.</p>				\$0.00	<b>SUBTOTAL =</b>				<b>\$1,200.00</b>	Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest priority date (37 CFR § 1.492(f)).				\$0.00	<b>TOTAL NATIONAL FEE =</b>				<b>\$1,200.00</b>	Fee for recording the enclosed assignment (37 CFR § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR §§ 3.28, 3.31). \$40.00 per property				\$0.00	<b>TOTAL FEES ENCLOSED =</b>				<b>\$1,200.00</b>					Amount to be refunded:	\$					Amount to be charged	\$1,200.00
SHEET CALCULATION	NUMBER FILED	EXTRA	RATE	Fees																																																																																			
Size Fee for each add'l 50 sheets of appln. over 100	20	-100	0	\$250.00																																																																																			
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR § 1.492(e)).				\$0.00																																																																																			
CLAIMS	NUMBER FILED	EXTRA	RATE	Fees																																																																																			
Total claims	32	- 20 =	12	x \$50.00																																																																																			
Independent claims	3	- 3 =	0	x \$200.00																																																																																			
Add'l fee for one or more multiple dependent claims				\$360.00																																																																																			
<b>Total Amount Due</b>				<b>\$1,200.00</b>																																																																																			
<p><input type="checkbox"/> Applicant claims small entity status. See 37 CFR § 1.27. The fees indicated above are reduced by 1/2.</p>				\$0.00																																																																																			
<b>SUBTOTAL =</b>				<b>\$1,200.00</b>																																																																																			
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest priority date (37 CFR § 1.492(f)).				\$0.00																																																																																			
<b>TOTAL NATIONAL FEE =</b>				<b>\$1,200.00</b>																																																																																			
Fee for recording the enclosed assignment (37 CFR § 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR §§ 3.28, 3.31). \$40.00 per property				\$0.00																																																																																			
<b>TOTAL FEES ENCLOSED =</b>				<b>\$1,200.00</b>																																																																																			
				Amount to be refunded:	\$																																																																																		
				Amount to be charged	\$1,200.00																																																																																		
<p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>13-3723</u> in the amount of \$1,200.00 to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>13-3723</u>. A duplicate copy of this sheet is enclosed.</p> <p><b>NOTE: Where an appropriate time limit under 37 CFR § 1.495 has not been met, a petition to revive (37 CFR § 1.137(a) or (b)) must be filed and granted to restore the application to pending status.</b></p>																																																																																							

10/561596

AP9 Rec'd PCTM TO 20 DEC 2005

Signature

*Ted Ringsred*

Name:

**TED K. RINGSRED**

Registration Number:

35,658

Address:

Office of Intellectual Property Counsel  
3M Innovative Properties Company  
P.O. Box 33427  
St. Paul, Minnesota 55133-3427